

Patent Abstracts of Japan

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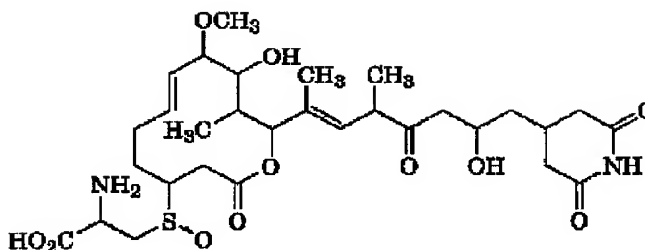
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TITLE : PRODUCTION OF NEW
PATHOLOGICALLY ACTIVE
SUBSTANCE BY FERMENTATION
METHOD



ABSTRACT : PROBLEM TO BE SOLVED: To obtain a physiologically active substance useful as a chemotherapy medicine for malignant tumor, etc., by culturing a bacterium capable of producing physiologically active substance NK30, 424AS-1, etc., in an nutrient medium, forming and accumulating a product in the culture and collecting the culture.

SOLUTION: A bacterium [e.g. Streptomyces sp. NA 30,101 strain (FERM P-16,422), etc.], belonging to the genus Streptomyces, capable of producing physiologically active substance NK30, 424AS-1, NK30, 424BS-1 or NK30, 424BS-2 of the formula is cultured in a nutrient medium to form and accumulate the compound of the formula in the culture. The compound is collected to give the objective physiologically active substance showing an inhibitory action on cell growth, useful as a chemotherapy medicine for malignant tumor, etc., exhibiting an inhibitory action on TNF α production and is useful as a therapeutic and prophylactic agent for chronic rheumatoid arthritis, Kawasaki disease, Crohn disease, Behcet's disease, bronchial asthma, cancer cachexia, septicemia, hepatitis, cardiac failure, multiple sclerosis, etc.

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